

ABSTRACT OF THE DISCLOSURE

A ferromagnetic frame for supporting a magnet in a magnetic resonance device used for magnetic resonance studies and a method for making the ferromagnetic frame are disclosed. The ferromagnetic frame includes at least one structural element formed of laminated steel layers. The steel layers are relatively lightweight and easily maneuverable compared to solid steel. The method includes laminating the steel layers together to form each of the components of the ferromagnetic frame and then assembling the frame. The ferromagnetic frame of the invention may be incorporated into a full-room magnetic resonance device, in which case the upper support is the ceiling of the room, the lower support is the floor, and the flux return members are the walls. The invention may be incorporated into pre-existing buildings dues to the maneuverability of the layers.

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